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MISCELLANEA.

PROCEEDINGS OF THE STATISTICAL SOCIETY.

Fourth Ordinary Meeting.—Session 1854-55. Monday, 19th February, 1855. Thomas Tooke. Esq., V.P., in the Chair.

The following Gentlemen were elected Fellows of the Society :----John Lewis Ricardo, Esq., M.P. James Thomas Hammack, Esq.

The following Paper was read :----

"On the Loans raised by Mr. Pitt during the First French War, 1793-1801, with some statements in defence of the methods of Funding employed." By William Newmarch, Esq.

> Fifth Ordinary Meeting.—Session 1854-55. Monday, 19th March, 1855. Thomas Tooke, Esq., V.P., in the Chair.

Thomas Hopley, Esq., was elected a Fellow of the Society.

A discussion took place on Mr. Newmarch's Paper, "On the Loans raised by Mr. Pitt during the First French War, 1793-1801, with some statements in defence of the Methods of Funding employed."

> Sixth Ordinary Meeting.—Session 1854-55. Monday, 16th April, 1855.

Sir John Peter Boileau, Bart., V.P., in the Chair.

The following Noblemen and Gentlemen were elected Fellows of the Society :---

The Rt. Hon. The Earl of Carnarvon. Lord Robert Cecil, M.P. Sir Charles Trevelyan, K.C.B. Joseph Keech Aston, Esq.

rl of Carnarvon. I.P. K.C.B. Esq. Thomas Abercrombie Welton, Esq. William Brown, Esq., M.P. Peter Hardy, Esq., F.R.S. Frederick Hendricks, Esq. Robert Hunt, Esq., F.R.S.

The following Paper was read :---

"A Ten Years' Retrospect of London Banking." By John William Gilbart, Esq., F.R.S.

Seventh Ordinary Meeting.—Session 1854-55. Monday, 21st May, 1855.

Colonel Sykes, V.P., in the Chair.

The following Gentlemen were elected Fellows of the Society :---R. Dudley Baxter, Esq.John Berry Haycraft, Esq.William Francis Nooth, Esq., R.N.George Kettleby Rickards, Esq.John R. L. Walmisley, Esq.Joseph White, Esq.

The following Papers were read :---

"On the Mining Resources of France." By Henry Reader Lack, Esq.

"On the Distribution of the Emigrants from Europe over the surface of the United States." By The Rev. Robert Everest.

THE MARRIAGES, BIRTHS, AND DEATHS,

REGISTERED IN THE DIVISIONS, COUNTIES, AND DISTRICTS OF ENGLAND.

The Marriages for the Quarter ended March, 1855, and the Births and Deaths for the Quarter ended June, 1855,

AS PUBLISHED BY AUTHORITY OF THE REGISTRAR-GENERAL.

This return comprises the births and deaths registered by 2,196 registrars in all the districts of England during the Spring quarter that ended on June 30th, 1855; and the marriages in 12,129 churches or chapels, about 3,631 registered places of worship unconnected with the Established Church, and 628 superintendent registrars' offices, in the quarter that ended on March 31st, 1855.

The returns present these general results: the marriages in the winter quarter were much below the average numbers; the births and the deaths in the spring quarter slightly exceeded the average proportions. The severe weather, the high price of provisions, the diminution of employment in some districts, and the withdrawal of an increased number of men from the country by the army and navy abroad, account for the decrease in the marriages. The stagnation in the winter was, however, probably only temporary; for war, instead of depressing, appears to increase the industry, the invention, and the energy of Englishmen. The rapid rate of growth of the British population commenced and attained its culminating point at the close of the last war.

MARRIAGES.—29,131 marriages were celebrated in the first three months of the year; or less in number by nearly 6,000 than the marriages in the winter quarter of the year 1853, when the marriages as much exceeded as in 1855 they fell below the average. The marriages are invariably fewer in the beginning than in the end of the year; and were at the annual rate of 1,262 persons married in 100,000 living in the winter quarter, whereas the average rate is 1,426.

The excess of marriages in the winter quarter of 1853, and the diminution in the winter quarter of 1855, are most remarkable in London and in Lancashire; but they are more or less apparent in every county, except Hampshire, Suffolk, the North Riding of Yorkshire, Durham, Northumberland, and Monmouthshire.

BIRTHS.-The births of 166,250 children were registered in the quarter that

Marriages, Births, and Deaths, returned in the Years 1843-55 and in the Quarters of those Years.

						_			_			And a local division of the local division o	
YEARS	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855
Marriages Births Deaths	527325	540763	543521	572625	539965	138230 563059 399833	578159	593422	615865	624012	612377	634506	
						M	ABBIAG	ES.					
Quarters ended the last day of March June September December		26387 34268 31675 39919	29551 35300 35003 43889	37111 35070	35197 32439	34721 32995	35844 33874	30567 39204 37636 45337	32724 38635 37316 45531	40092 38400	35014 40335 39786 48886	40389 38150	29131
]	Births	•					
March June September December	$131279 \\ 128161$	$136941 \\ 130078$	$136853 \\ 132369$	$149450 \\ 138718$	$139072 \\ 127173$	139736 149760 140359 133204	$153693 \\ 135223$	155865 146911	$159073 \\ 150594$	$159031 \\ 151222$	$158718 \\ 147581$	$172420 \\ 154735$	166186 165250
						1	DEATHS	•					
March June September December	94926 87234 76792 87493	85337 79708			106718 93435	87638	105870 102153 135227 97589		99458 91499	106358 100625 100382 99770	107861 92332	102666	106584

ended on June 30th, 1855; or less by 7,000 than were registered in the corresponding quarter of the previous year, and more, to nearly the same extent, than were registered in the spring quarters of 1851-53. In the West Midland Counties, particularly in Staffordshire, and also in Cheshire, in Lancashire, in the West Riding of Yorkshire, and in the Northern Counties, the births of the quarter exceeded, to some extent, the births in the spring quarter of 1853.

INCREASE OF POPULATION.—As the number of births was 165,250, and of deaths 106,584, the natural increase of the English population in three months may be set down as 58,666, exclusive of immigrants from Scotland, Ireland, the colonies, or foreign parts. In the same period 65,210 emigrants, including a certain number of foreigners, left the ports of the United Kingdom at which there are Government Emigration officers. How many of the emigrants were born in England has not yet been learnt; but 39,509 proceeded to the United States, 10,397 to British North America, 14,639 to the Australian colonies, and 665 to other places.

The Emigration Commissioners have compiled a new return showing the occupations of a large proportion of the 323,429 persons who emigrated during the year 1854. About 136,375 were females, 187,054 were males, and 72,942 were children under fourteen years of age, 250,487 were adults. Of the 100,918 women of the age of fourteen and upwards, 28,564 were married, 11,378 were domestic and farm servants. Of the 134,789 men of the age of fourteen and upwards, the occupations of 38,467 were left undistinguished, while of the remaining 96,322 men no less than 50,914 were labourers, gardeners, carmen, carriers, and carters, and 13,491 were farmers, 3,984 were bricklayers, masons, slaters, plasterers, and 5,185 were carpenters and joiners, 1,790 were blacksmiths, farriers, or veterinary surgeons, 1,989 were

	1 641 5	1040	• 0 0, a	nu in	e Quu	11013	<i>oj in</i> (NG 10	<i>sur 3</i> .			
Estimated Population of England in thou- sands in the middle of each Year	16721	16925	17132	17340	17552	17766	17983	18206	18403	18618		18786
YEARS	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	Mean, 1845–54	1855
Marriages Kirths Deaths		$\begin{array}{r} \cdot 861 \\ 3 \cdot 383 \\ 2 \cdot 306 \end{array}$	$^{\cdot 793}_{3 \cdot 152}_{2 \cdot 471}$	-797 $3 \cdot 247$ $2 \cdot 306$:808 3 · 294 2 · 512	·860 3·340 2·077	·858 3·425 2·199	$^{+872}_{3+428}_{2+236}$	$^{\cdot 891}_{3 \cdot 328}_{2 \cdot 292}$			
					·	MARR	TAGES.					
Quarters ended the last day of March	·721 ·849 ·830 1·038	·757 ·882 ·822 ·983	•655 •826 •751 •940	-661 -805 -755 -961	·661 ·822 ·766 ·986	·702 ·888 ·840 1·010	·742 ·864 ·822 1·000	·730 ·885 ·836 1·027	•775 •880 •856 1•050	·726 ·872 ·812 1 ·013	·857 ·809	•631
						BIR	THS.					
March Junè Septémber December	3 · 491 3 · 291 3 · 140 3 · 103	$3.551 \\ 3.251$	3 ·488 3 ·265 2 ·945 2 ·938	3 ·252 3 ·474 3 ·211 3 ·038	3 · 523 3 · 056	3.281	3 · 567 3 · 557 3 · 317 3 · 270	3 · 582 3 · 509 3 · 291 3 · 298		3 •722 3 •294	$3.489 \\ 3.196$	3 · 602 3 · 534
						DEA	THS.		i			
March June September December	2 · 554 2 · 144 1 · 776 1 · 908	2.157 2.144 2.382 2.545	2 ·850 2 · 506 2 · 163 2 · 389	2.794 2.313 2.005 2.108	$2.341 \\ 3.057$		2·388 2·224 2·015 2·176	2.3542.2212.1852.165	$2.354 \\ 1.988$	2.425	$2 \cdot 257 \\ 2 \cdot 191$	2·918 2·279

England*:-Annual Rate per cent. of Marriage, Birth, and Death, during the Years 1845-55, and the Quarters of those Years.

* The table may be read thus, without reference to the decimal points:—In the year 1848, to 100,000 of the population of England there were 797 marriages, 3,247 births, and 2,306 deaths registered The annual rates of matriage in each of the four quarters were 661, 805, 755, and 961 per cent.; the rates of death 2794, 2318, 2005, and 2:108 per cent. In reading the population on the first line add three ciphers (000). The three months January, February, March, contain 90, in leap year 91 days; the three months April, May, June, 91 days; each of the two last quarters of the year 92 days. For this inequality a correction has been made in the calculation.

tailors, 1,151 were boot and shoe makers and 933 were bakers. It will be observed that the great majority of the men are connected with agriculture, or with the building, constructive, and clothing arts; for the numbers that pursue any other special occupation, except those above enumerated, was not considerable.*

THE PRICES OF PROVISIONS, AND THE WEATHER.—The abundance or the scarcity of food sensibly affects the births, deaths, and marriages; and the state of public credit affects the employment, and, consequently, the prosperity of the people.

The average price of wheat, which in the three months April, May, June, 1853,

was at 44s. 6d. a quarter, was in 1854 at 78s. 4d., and in the corresponding months

The Average Prices of Consols, of Wheat, Meat, and Potatoes, also the Average Quantity of Wheat sold and imported Weekly, in each of the nine Quarters ended June 30th, 1855.

Quarters ended	Average Price of Consols (for Money.)	Average Price of Wheat per Quarter in England and Wales.	Wheat sold in the 290 Cities and Towns in England and Wales making Returns.	Wheat and Wheat Flour entered for Home Con- sumption at Chief Ports of Great Britain.	Average of Meat Leade and Newga (by the 6	per lb. at	Average Prices of Potatoes (York Regents) per Ton at Waterside Market, Southwark.
		and wates.		ber of Quarters ekly.	Beef.	Mutton.	Southware.
1853	£						
June 30.	100 4	448. 6d.	84,559	82,623	4d.—5 [‡] d. Mean 4 [‡] d.	$5d6\frac{2}{3}d.$ Mean $5\frac{7}{3}d.$	110s.—145s. Mean 127s. 6d.
Sept. 30.	97	51 s . 10d.	86,087	120,020	4¼ <i>d.</i> —6 <i>d.</i> Mean 5¼ <i>d</i> .	$5d7\frac{1}{2}d.$ Mean $6\frac{1}{8}d.$	110s.—125s. Mean 117s. 6d.
Dec. 31.	93§	69s. 10d.	79,002	91,627	4d.—6d. Mean 5d.	$4\frac{1}{4}d7d.$ Mean $5\frac{2}{5}d.$	135s.—165s. Mean 150s.
1854 Mar. 31.	91	79 8. 6d.	60,022	103,519	4‡d.—6‡d. Mean 5‡d.	4½d.—7d. Mean 5¾d.	120s.—160s. Mean 140s.
June 30.	88 §	78s. 4d.	55,842	103,331	$4\frac{1}{2}d6\frac{1}{2}d.$ Mean $5\frac{8}{5}d.$	4 [‡] d.—6 [‡] d. Mean 5 [‡] d.	137s.—172s. Mean 155s.
Sept. 30.	93 ⁷	63 s. 10d.	56,389	48,135	4 ³ 4.—6 ³ 4. Mean 5 ³ 4.	5d.—7d. Mean 6d.	75s.—85s. Mean 80s.
Dec. 31.	93§	68s. 0d.	128,783	19,513	$4\frac{1}{2}d6\frac{3}{4}d.$ Mean $5\frac{5}{5}d.$	5d.—7d. Mean 6d.	95 s.—105s. Mean 100s.
1855 Mar. 31.	91 7	69 s. 11 <i>d.</i>	88,000	33,821	4 4 <i>d.</i> —6½ <i>d.</i> Mean 5§ <i>d</i> .		105s.—120s. Mean 112s. 6d.
June 30	90 §	73 8. 4d.	94,791	57,068	$4\frac{1}{2}d6\frac{1}{2}d.$ Mean $5\frac{1}{2}d.$	43d.—63d. Mean 53d.	110s.—130s. Mean 120s.
Col.	1	2	3	4	5	6	7

Note.—The total number of quarters of wheat sold in England and Wales for the 13 weeks ended June 30th, 1853, 1,099,261; for the 13 weeks ended September 30th, 1853, 1,119,128; for the 14 weeks ended December 31st, 1853, 1,106,027; for the 13 weeks ended March 31st, 1854, 780,282; for the 13 weeks ended June 30th, 1854, 725,946; for the 13 weeks ended September 30th, 1854, 733,059; for the 13 weeks ended December 31st, 1854, 1,674,173; for the 13 weeks ended March 31st, 1855, 1,143,999; and for the 13 weeks ended June 30th, 1855, 1,232,284. The total number of quarters entered for Home Consumption was, respectively, 1,074,095; 1,560,255; 1,191,149; 1,345,743; 1,343,305; 625,755; 253,669; 439,676; and 741,890.

* From a Return with which the Registrar-General has been favoured by the Emigration Commissioners. VOL. XVIII. PART IV. 2 D The weather during the quarter was remarkable for the continuance of the cold, which in the previous quarter had been unusually severe. Except on a few days only, the temperature was below the average. There was a deficiency of rain. All the meteorological phenomena observed are ably described by Mr. Glaisher, p. 385.

STATE OF THE PUBLIC HEALTH.—The public health has partly recovered from the effects of the late epidemic of the cholera, and from the severe weather of last winter, and the mortality, which is on the average at the annual rate of 22.57 in 1,000 on the population, was 22.79 in 1,000 in the last quarter. The average rate of mortality in the spring quarter in 117 districts, comprising the chief towns, is 24.50 in 1,000 persons living, in the small towns and country parishes 20.88 in 1,000. The mortality in the last quarter was at the rate of 25.03 in 1,000 in the town districts, 20.97 in 1,000 in the country districts.

There were 106,584 deaths in the quarter; or 3,918 more deaths than were recorded in the corresponding quarter of 1854; for the cholera, which was epidemic in that year, only became fatal in the subsequent quarter. In the eleven divisions the deaths varied little during the spring quarters of 1853, 1854, 1855.

In London some improvements are referred by the Registrar of St. Giles' to the working of the Lodging House Act; and the health of Bermondsey has been better since the tidal ditches have been filled up, and the parish has been paved and drained.

In the South-Eastern Counties, Farnham has, for the last seven months, been suffering from low fever, hooping-cough, and measles; Canterbury, from small pox, scarlatina, and bronchitis. Alverstoke has suffered severely from scarlatina, and the deaths (211) exceed the births (121): the same excess of deaths is observed at Winchester, where 23 men died in the barracks. The death of a female, aged 105, at Windsor, is mentioned; and it is stated that her two sons are above 80 years of age.

In the South Midland Counties, Northampton and Bedford experienced a rate of

	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	Total 1845–54	1855
In 117 Dis- tricts, com- prising the chief towns	4 0847	4 3787	5158 5	46552	48070	42886	47774	48357	51734	50822	472364	50907
In 511 Dis- tricts, com- prising chiefly small towns and country parishes	48302	46493	55133	53175	54083	4 99 85	51684	52268	56127	51844	519094	55677
Total	89149	90230	106718	99727	102153	92871	99458	100625	107861	102666	991458	106584

Deaths in the Spring Quarters.

Population , Deaths, and Mortality per cent. in the Spring Quart	uarters, 1840-00.
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	Population	Enumerated.	Deaths	Annual Rate of	Annual Rate of
	June 6–7th, 1841.	March 31st, 1851.	in 10 Spring Quarters, 1845–54.	Mortality of 10 Spring Quarters, 1845–54.	Mortality in the Spring Quarter 1855.
In 117 Districts, com- prising the chief towns	6,612,958	7,886,473	472,364	2.420	2.203
In 511 Districts, com- prising chiefly small towns and country parishes	9,301,190	10,041,136	519,094	2.088	2.097
All England	15,914,148	17,927,609	991,458	2.257	2.279

1855.j

mortality that much exceeds the average. Scarlatina has raged. In Royston the parish of Kelshall has suffered from typhus; the drainage and water are "very bad."

In the Eastern Division several districts have been healthier than usual; Norwich, Depwade, Mitford, Downham, and Thetford have, however, suffered from a higher than their average death rate. Small pox, measles, and scarlatina have prevailed in several districts of Essex and Norfolk.

In the South-Western Division the mortality is about the average, but it was higher than in the preceding year in Wilts, Devon, Cornwall, and Somerset. The excess was considerable in Chippenham, Stoke Damerel, and Liskeard. The mining population in Cornwall is not very satisfactory. One of the Registrars of Liskeard says:—

"In Calstock, one of the parishes of my district, there is an epidemic of scarlatina. Some houses of miners and others are overcrowded, and due regard is not paid to ventilation. There are no water closets, privies, or other conveniences belonging to the premises, and the places for the deposit of soil, &c., are, in many places, immediately adjoining the houses, in some, almost touching the door of the dwellings. In another parish (Callington) there are several unregistered lodging-houses, and the whole of them are in a filthy and unwholesome condition; every night there is a great influx of vagrants of the lowest order, and on my visiting them one night after ten o'clock I found five persons in a bed, and as many as eighteen in one room. It is a great pity the magistrates do not look into the matter and abate the nuisances."

In the West Midland Division the mortality was lower in the spring quarter, both in Staffordshire and Warwickshire, than it was in the spring of 1854; measles, small pox, and scarlatina, are mentioned as prevailing in some districts of Shropshire.

The mortality in Lincolnshire, of the North Midland Division, was above, in Leicestershire, Nottinghamshire, and Derbyshire, below, the death-rate of the previous spring quarter (1854). Scarlatina occurred in Lincoln, Horncastle, Caistor, and Gainsborough. The frame-work knitting trade has been bad for some time in Basford, near Nottingham.

In the North Western Division 2,494 deaths were registered in Cheshire, 14,464 in Lancashire. A death from Asiatic cholera was returned at Runcorn on the 1st of June. Some sanatory improvements are noticed in the Lancashire towns. Liverpool is healthy at present. In West Derby it is said :---

"The district has been, during all the quarter, in a very healthy state, which may, in a great degree, be owing to the extent of street and house draining, street cleansing, and other excellent sanatory improvements that have been adopted by the corporation of Liverpool in the municipal part of the district."

At Wigan, sanatory improvements are progressing, such as street sewerage, drainage, and removal of nuisances. The Registrar of North Bury writes :---

"The deaths in this quarter are considerably under the average, and amount to just a-half the number of births. No small pox, measles, scarlatina, hooping-cough, or cholera. The sewering, water-supply paving, scavenging, &c., of the town, are in a very satisfactory state. Large sums have been judiciously expended by the town commissioners during the last seven years, to the comfort and advantage of the inhabitants; and the appearance of the town now offers an agreeable contrast to other manufacturing towns in this district."

These facts are encouraging, as they show that the high mortality in the Lancashire districts may be greatly diminished, and that substantial improvements are followed by immediate results. Measles, scarlatina, and typhus, prevailed in some districts of Lancashire; and the mortality was higher in Manchester than it was in the two previous springs.

In Yorkshire the deaths (10.414) were below the average numbers; and the decrease was chiefly in the West Riding. Leeds and Sheffield were healthier than in the previous two springs. The Registrar of Bradford East refers the low mortality to sanatory improvements; vaccination is, however neglected. He, singularly enough, observes, "There is an increase in the births this quarter, caused by a slight improvement in trade, and the settling at home of a great number of the wives of the militia." The births and deaths exceed the average numbers.

The Northern Counties experienced their average rate of mortality; 5,596 of the inhabitants died. Small pox and scarlatina have been fatal in some districts of Durham; vaccination is neglected.

In Monmouthshire and Wales the deaths were 7,392, which is near the average number. Measles prevailed in Abergavenny and Crickhoweth.

2 D 2

н					MABRIAGES			BIRTHS			DEATHS	
1		Area	Population,			Regist	tered in the	Registered in the Quarter ended the last Day of	ed the last I	ay of		
	DIVISIONS.	Statute	1851.		March			June			June	
		Acres.		1853.	1854.	1855.	1853.	1854.	1855.	1853.	1854.	1855.
Eng	ENGLAND	37,324.915	17,927,609	35,014	33,144	29,131	158,718	172,420	165,250	107,861	102,666	106,584
	Divisions.		100 010 0	000 3	E 949	1 709	90 690	001.00	311 10	14 504	15 114	14 024
I. LON	I. London	18.029	2,302,206,2	200'e	e/e'e	4,140	070,02	601 (27	41,440	14,004	10,114	100.11
II. Sout	South Eastern Counties	4,065,105	1,628,386	2,461	2,316	2,176	12,639	13,730	12,761	8,632	7,984	9,133
III. Sout	South Midland Counties	3,201,290	1,234,332	1,692	1,544	1,346	10,169	10,925	10,202	6,795	6,236	6,883
IV. East	Eastern Counties	3,214,099	1,113,982	1,457	1,463	1,362	9,337	9,676	9,107	6.279	5,364	6,194
v. Sout	South Western Counties	4,994,490	1,803,291	3,338	3,026	2,746	14,550	15,298	14,324	10,024	8,616	9,693
VI. West	West Midland Counties	3,865,332	2,136,573	4.294	4,115	3,472	19,422	21,884	21,329	12,681	12,994	12,713
VII. Nort	VII. North Midland Counties 3,540,797	3,540,797	1,215,501	2,102	2,012	1,747	10,499	11,158	10,694	6,913	6,899	6,624
VIII. Nort	North Western Counties	2,000,227	2,488,438	6.171	5,947	4,784	25,195	27,557	26,761	17,592	16,273	16,958
IX. York	Yorkshire	3,654,636	1,789,047	3,982	3,612	3,170	17,161	19,015	18,036	11,442	10,905	10,414
x. Nort	Northern Counties	3,492,322	969,126	1,685	1,826	1,741	8,986	9,824	9,771	5,621	5,316	5,596
\mathbf{x}_{I} , $\left\{ \mathbf{M}_{\mathbf{W}}^{\mathrm{or}} \right\}$	Monmouthshire and Wales	5,218,588	1,186,697	1,970	1,910	1,864	10,132	11.244	10,819	7,288	6,965	7,392

Marriages Registered in the Quarters ended 31st March, 1853-55; Births and Deaths Registered in the Quarters ended

Miscellanea.

[Dec.

1855.]

On the Meteorology of England and Scotland during the Quarter ended June 30th, 1855. By JAMES GLAISHER, Esq., F.R.S., Sec. of the British Meteorological Society.

During the past quarter the temperatures of a few days only have reached their average values; the cold period which set in on January 10th having continued with little intermission till June 26th. The month of April was cold; that of May was very severe. At the beginning of this month the temperature of the air at night was frequently near that of the freezing point of water. On May 5th the reading at several places exceeded 20° by 1° or 2° only; the night common to May 4th and 5th was for the most part cloudless; and vegetation was subjected to a very low temperature. At Greenwich the reading of a thermometer, placed on long grass, with its bulb exposed fully to the sky, was as low as 12° 8, a reading lower than any on record, as far as I know, at this season of the year. Snow fell at many places up to the end of May. The temperature of the month was 4° 5 below its average, and was the coldest May since that of 1837. June was cold till the 26th; on the 21st, the day of the solstice, the temperature was remarkally low at all places south of the latitude 53°, extending to the east and south coasts, but not to the west of England and to Cornwall and Devonshire; the temperature of vegetation was from 5° to 6° below that of the freezing point of water; there was a white frost everywhere within the above limits, and thick ice was formed on ponds and still water, even up to the south coast; this cold extended to the Isle of Wight, but with less severity.

The mean temperature of the air at Greenwich for the quarter ended May, constituting the three spring months, was 44° 2, being 2° 2 below the average of 84 years.

					Temper	rature c	of					stî¢ rce	We of Va	ght
1855.		Air.		Evapo	ration.		e w int.	Air Daily J			0	of our.	in Cubic of J	a Foot
Months.	Mean.	Diff. from Aver- age of 84 Years.	Diff. from Aver- age of 14 Years.	Mean.	Diff. from Aver- age of 14 Years.	Mean.	Diff. from Aver- age of 14 Years.	Mean.	Diff. from Aver- age of 14 Years.	Water of the Thames.	Mean.	Diff. from Aver- age of 14 Years.	Mean.	Diff. from Aver- age of 14 Years.
April	0 45 · 8	° +0∙1	0 -0.9	° 42 ∙6	° -1·1	° 38∙8	° -1.6	° 20·9	° +3∙5	° 	In •251	In. 017	Gr. 2 · 9	Gr. -0·2
Мау	48.8	-3.8	-4.2	45 .7	-3.8	42.3	-3.8	19-4	+0.1	52·2	·284	044	3.3	-0•4
June	56·9	-1.1	-2.1	52·1	-2.1	47.8	-8.3	22.8	+3.0	59 5	·348	039	3 • 9	-0.4
Mean	50.5	-1.6	-2.2	46.8	-2.3	4 3 · 0	-2.9	21.0	+2.5		·294	-·033	3.4	0.3
	De	gree	Rea	ding	Weigl	at of a				Readi	ng of T	hermon	eter on	Grass.

		gree	Read			t of a Foot	Ra	un.		Readin	ig of Tl	iermom	eter on	Grass.
20.88		idity.	Baron			Air.			Daily Hori-	Num	ber of N it was	lights	Low-	High-
1855. Months.	Mean.	Diff. from Aver age o 14 Years	Mean.	Diff. from Aver- age of 14 Years.	Mean.	Diff. from Aver- age of J4 Years.		Diff. from Aver- age of 40 Years.	zontal Move- ment of the Air.	At or below 32°.	Be- tween 32° and 40°.	Above 40°	est Read-	est Read- ing at Night.
April	78	- 2	In. 29 · 933	In. +·195	Gr. 544	Gr. + 4	In. 0·1	In. -1·7	Miles. 96	16	12	2	° 17∙0	° 41.5
М ау	80	+ 1	29.679	098	536	+ 3	1.8	-0.3	117	13	12	6	12.8	50-0
June	74	- 2	29.863	+ .079	530	+ 4	0.7	-1.5	87	6	8	16	26 · 0	53 • 0
<u></u> Меап	77	- 1	29.825	+.028	537	+ 4	Sum 2 · 6	Sum -3·2	100	Sum 35	Sum 32	Sum 24	12.8	53·0
Note.—In	reading	g this	table it w	ill be be the si	orne in ign (+)	mind t plus si	hat the gnifies	sign (- above tl	-) minus he average	signifie e.	s below	the ave	erage, a	nd that

NAMES OF	Mean Pressure of Drv Air	Mean	Highest	Lowest	Mean	Mean	Range of		WIND.	Maar		RAIM.	
STATIONS.	reduced to the Level of the Sea.	ture of the Air.		of the Thermo- meter.	Range of Tempera- ture.	Range of Tempera- ture.	rempera- ture in the Quarter.	Mean estimated Strength.	General Direction,	Amount of Cloud.	Number of Days on which it fell.	Amount collected.	Mean Degree of Humidity.
Tomore	in.	0	٥	•	•	•	•					į	
Falmonth	C69.6Z	48.6	0. 11	34.0	8.8	28.7	43.0	1.7	W.S.W. & N.E.	5.4	26	2.1	89
Truro	29.695	2.10	0.6/	0.18	14.0	34.7	44 -0	ŝ	N.E.	6.4	35	9.6	ļ
Teignmouth	000-000	1.04	0.01	0.77	0.01	42.0	54 · 0	1.7	ž.	9.9	33	80 9 9 9 9	78
Exeter		50.03	0.04	7 7	0. #1	30.0	40.4	0.2	Var.	0.9	37	5.3	79
Newport	112.02	20.02	0.61	24.0	0.71	42.0	55.0	ن ب	Var.	4.1	40	7 -5	11
Clifton	504·06		0.00	r 47	19-4	40.3	54.7	2.4	Var.	6.2	31	 	75
Roval Observatory	201 62	42.04	0.70	24 2	8. /I	47.0	9.89	6. 0	N.E. & N.W.	9 · C	41	6 2	83
Somerest Hango	EN1. 67	0.00	0.00	6. 67	0.12	48.1	57.6	:	N.E. & S.W.	9. 9	25	2.6	11
Ovford		49.9		24.9	15.2	÷	:	:	N.W.	:	:		1
Hartmall Proton	11/.62	20.5	81.1	27.7	18.1	44.2	53.4	2 .0	N.W. & N.E.	7.2	34	4•6	84
Porton	000.67	2.00	6.18	23.4	20.2	49.6	58.5	1.2	N.E. & S.W.	6.9	37		
T annotae	GC1. 67	1.00	83.6	23 3	20.1	49.9	60.3	:	N.	6.2	55	4	74
Normich	221.62	10.64	6.62	21 4	19.0	48.3	58.5	1:5	N.W.	6.3	47	8 	81
Darby	29.094	49.9	83.0	27.0	18 • 5	45 • 3	26.0	1.8	N.E. & N.W.	9.9	25	4.3	80
Holkham	29.734	48.4	0.62	26.0	18.7	43.0	53.0	:	Var.	:	39	2.2	74
Nottingham	601.67	40.7	2.18	24.7	15.5	45.4	57.0	1.4	N. & N.E.	5.7	27	3.8	80
Hawarden	601 67	2.00	1. 22	9.77	16.0	47.9	2.09	6.0	Var.	6.9	41	5.3	73
Gainshoroneh	600 67	40.4	0.11	0.97	14.5	30.3	49.5	1.6	N.W.	2.9	27	4.9	85
Warrington	90.676	107	0.40	0.77	10.0	44.7	57.0	9.0	Var.	5.7	39	4 · 0	78
Wakefield	010 67	.0#	2.02	24.9	17.3	45:3	55 9	9.0	Var.	9. <u></u>	36	6.9	85
Vork	101.67	42.4	1.78	22.27	21.0	51.6	60.5	1.9	W. & N.	9.9	54	4.8	75
Southouse the	160.67	14.0	0.8/	25.0	16.4	45.7	53.0	:	N.E.	:	25	3.1	17
North Shields	201.62	40.5	21.5	29.0	42.3	31.0	42.5	:	Var.		1		82
Arheath		1.04	74.5	27.5	12 -4	36.1	47.0	2 4	Var.	1·9	41	2.1	16
	CO0. 67	40.8	73.0	26.0	18 ·2	36.7	47.0	1.1	Var.	6.5	26	3.8	1
					-								

Meteorological Table, Quarter ended June 30th, 1855.

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[Dec.

REVENUE.

An Abstract of the Net Produce of the Revenue of the United Kingdom in the Years and Quarters ended 30th September, 1854 and 1855; showing the Increase or Decrease thereof.—(Continued from page 297.)

		Years ended 30th	September.	
Sources of Revenue.	1854.	1855.	Increase.	Decrease.
Eustoms	£ 20,316,431	£ 21,607,218	£ 1,290,787	£
Excise	15,744,613	16,710,391	965,778	
Stamps	6,984,076	7,084,548	100,472	
Taxes	3,153,773	2,915,036		238,737
Property Tax	6,965,614	13,449,761	6,484,147	••••
Post Office	1,365,000	1,158,181		206,819
Crown Lands	321,572	275,516		46,056
Miscellaneous	940,658	935,867	····	4,79
Totals	55,791,737	64,136,518	8,841,184	496.403
			Net Increase	£8,344,78

Sources of Revenue.		luarters ended 30	th September.	
Sources of Revenue.	1854.	1855.	Increase.	Decrease.
Customs	£ 5,349,251	£ 5,713,674	£ 364,423	£
Excise	5,212,782	4,946,776		266,006
Stamps	1,707,509	J,604,165		103,344
Taxes	133,577	111,374		22,203
Property Tax	2,545,056	4,5 38,646	1,993,590	
Post Office	343,000	261,757		\$1,243
Crown Lands	61,572	66,516	4,944	••••
Miscellaneous	154,594	188,557	33,963	••••
Totals	15,507,341	17,431,465	2,396,920	472,796
•			Net Increase	£1,924,124

An Account showing the Net Revenue and other Receipts of and the Charge of the Consolidated Fund for the sa	the Quar id Quarte	An Account showing the Net Revenue and other Receipts of the Quarter ended the 30th of September, 1855; the Application of the same, and the Charge of the Consolidated Fund for the said Quarter, together with the Surplus or Deficiency upon such Charge.	e same,
Surplus balance beyond the charge of the Consolidated Fund, for the quarter ended June 30th, 1855, viz.:	બ	Amount applied out of the net income for the quarter ended September 30th, 1865, to redemption of Exchequer Bills (Deficiency) for the quarter ended June 30th, 1865	£ 3,306,433
Great Britain	390,907	-	1,740,000 $4,024,840$
Net Income received in the quarter ended September 30kh, 1865, as shown in page 387	17,431,465	Charge of the Consolidated Fund for the quarter ended September 30th, 1855, viz.:	
Amount received in the quarter ended September 30th, 1855, in part of Loan of £16,000,000	5,668,000	Interest of the Permanent Debt 6,682,696 Terminable Debt	
Amount of Exchequer Bills (Supply) issued in the quarter ended September 30th, 1866, to the Commissioners for the Reduction of the National Debt to redeem Ways and Meaus Bills held by them	2,700,000	•	
Amount received in the quarter ended September 30th, 1855, in repay- ment of advances for Public Works, &c	209,444	The Civil List	
	26,399,816		7,861,400
Balance, being the deficiency on the 30th Sept., 1855, upon the charge of the Consolidated Fund in Great Britain, to meet the Dividends and other Charges payable in the quarter to December 31st, 1855,		Surplus Balance beyond the charge of the Cousolidated Fund, for the quarter ended September 30th, 1855, viz.: Great Britain	
and for which Excludeduct Duils (Denciency) will be issued in that quarter	858,442	320,585	320.585
,∂ 7	£27,268,258		£27,253,258

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[Dec.

1855.]

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CORN.

Average Prices of Corn per Imperial Quarter in England and Wales, during each Week of the Third Quarter of 1855; together with the Monthly and Quarterly Average-(Continued from p. 299.)

Weeks ended on a Saturday,			Weekly	A verage.		
1855.	Wheat.	Oats.	Barley.	Rye.	Beans.	Peas.
July 7 , 14 , 21 , 28	s. d. 76 1 75 11 76 4 77 7	s. d. 28 6 28 8 28 5 29 1	s. d. 34 5 34 7 34 8 34 8	s. d. 44 6 44 8 45 2 43 1	s. d. 46 4 45 11 46 0 46 10	s. d. 40 9 42 4 42 10 42 4
Average for July	76 5 <u>3</u>	28 8	34 7	$\frac{10}{44}$ $\frac{1}{44}$	$\frac{10 \ 10}{46 \ 3\frac{1}{4}}$	$\frac{12}{42}$ $\frac{1}{0\frac{3}{4}}$
August 4	78 2 77 7 75 9 73 7	28 11 29 1 29 1 27 6	$ \begin{array}{r} 35 & 0 \\ 34 & 8 \\ 34 & 2 \\ 34 & 5 \end{array} $	46 11 47 2 42 4 43 6	$ \begin{array}{r} 46 11 \\ 47 3 \\ 46 6 \\ 46 4 \\ 16 4 \end{array} $	42 5 43 1 43 7 40 0
Average for August	76 31	28 77	34 63	44 113	46 9	42 3 4
September 1	72 7 74 10 76 9 77 8 77 3	$\begin{array}{cccc} 29 & 3 \\ 28 & 2 \\ 28 & 6 \\ 28 & 8 \\ 28 & 4 \end{array}$	34 9 35 0 35 3 36 4	42 7 43 11 45 3 47 8 48 8	46 9 47 10 48 0 49 1 49 5	38 8 39 4 43 5 42 11 45 4
Average for September	75 9 3	28 7	35 5	45 7	48 2	41 11
Average for the Quarter	76 17	28 71	34 103	45 0	47 11	42 03

[Communicated by H. F. JADIS, ESQ., Comptroller of Corn Returns.]

STOCKS AND SHARES.

Fluctuations in the Stock and Share Markets during the Months of July, August, and September, 1855.—(Continued from p. 299.)

Stocks and Shares.	Amt.	Amt.	P	rice on t	he		st Price Month		Lowes the	t Price Month	during s of
Stotas and Sharts.	Share.	Paid.	2 July.	1 Aug.	l Sept.	July.	Aug,	Sept.	July.	Aug.	Sept.
Consols Exchequer Bills RAILWAYS,		••• •••	91 to 1 23s. 6d. Pm.	90 3 to91 22s. 6d. Pm.		91 § 27s.Pm.	91 § 24s.	91 1 15s.Pm.	90 <u>\$</u> 20s. Pm.	90§ 13 s .	88 3 5s. dis.
Brighton	" " " 20 Stock	$ \begin{array}{r} 100 \\ 100 \\ 20 \\ 100 \\ 100 \\ 100 \\ 100 \\ 17\frac{1}{2} \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \end{array} $	$\begin{array}{c} 101 \\ 624 \\ 125 \\ 93 \\ 67 \\ 1005 \\ 725 \\ 81 \\ 125 \\ 614 \\ 83 \\ 74 \\ 505 \\ 125 \\ 505 \\ 125$	99 63 113 903 643 693 693 803 11 61 863 73 49	973 63 11 883 554 944 694 814 11 61 843 723 483	$\begin{array}{c} 102 \\ 633 \\ 12\frac{1}{5} \\ 93\frac{1}{5} \\ 67 \\ 101\frac{1}{5} \\ 82 \\ 12\frac{1}{5} \\ 62\frac{1}{5} \\ 87 \\ 74 \\ 50\frac{1}{5} \end{array}$	100 63 ⁷ / ₂ 91 64 ⁷ / ₈ 99 ¹ / ₄ 72 ³ / ₈ 84 ¹ / ₈ 11 ¹ / ₄ 62 ³ / ₈ 88 74 ¹ / ₄ 49 ¹ / ₄	985 638 11 885 575 691 821 11 61 845 73 485	100 624 111 894 644 972 695 805 109 805 109 805 805 109 805 805 109 805 805 109 805 805 109 805 805 109 805 805 805 805 805 805 805 805 805 805	98 622 88 54 54 54 54 54 54 54 54 54 54 54 54 54	95 604 95 544 904 63 54 10 56 81 68 45 45
Northern of France East Indian	20 20	16 20	35 <u>8</u> 25 <u>8</u>	85 <u>7</u> 24 <u>주</u>	36 <u>3</u> 24 <u>4</u>	37 25 1	37 § 24 2	36] 24]	351 241	35 3 244	311 221

CURRENCY.

BANK OF ENGLAND.

An Account, pursuant to the Act 7th and 8th Victoria, c.32, for each Week ended on a Saturday, for the Third Quarter of 1855.—(Continued from p. 300.)

[Compiled from the "Bankers' Magazine."]

D	ate.		Notes Issued.	Nøtes in hands of Public.	Government Debt.	Other Securities.	Gold Coin and Bullion.	Silver Bullion.
18	355.		£	£	£	£	£	£
fuly	7		30,895,085	20,482,750	11,015,100	2,984,900	16.895.085	~
"	14		80,631,890	20,978,870	11,015,100	2,984,900	16,631,890	
	21		29,980,810	20,772,865	11,015,100	2,984,900	15,980,810	
"	28		29,745,990	20,964,845	11,015,100	2,984,900	15,745,990	
lug.	4		29,601,590	20,709,290	11,015,100	2,934,900	15,601,590	
,,	11		29,650,275	20,493,430	13,015,100	2,984,900	15,650,275	•••
*	18		29,506,690	20,277,140	11,015,100	2,984,900	15,506,690	***
"	25		28,916,770	20,042,215	11,015,100	2,984,900	14,916,770	•••
sept.	1]	28,368,010	20,104,630	11,015,100	2,984,900	14,368,010	•••
"	.8		27,668,005	20,142,105	11,015,100	2,984,900	13,668,005	•••
,,	15		27,110,270	19,713,470	11,015,100	2,984,900	13,110,270	•••
,,	22]	26,695,250	19,408,435	11,015,100	2,984,900	12,695,250	•••
,,	29	•••	26,368,255	20,172,685	11,015,100	2,984,900	12,368,255	•••

BANKING DEPARTMENT.

Date.	Proprietors' Capital.	Rest.		ıblic osits.	Other Deposit		Seven Day and other Bills.	Total Dr.
1855. July 7 n 14 n 12 n 28 Aug. 4 n 11 n 18 set 8 Sept. 1 n 15 n 22 n 29	£ 14,553,000 14,553,000 14,553,000 14,553,000 14,553,000 14,553,000 14,553,000 14,553,000 14,553,000 14,553,000 14,553,000 14,553,000	£ 3,177,665 3,221,280 3,352,303 3,356,786 8,360,660 3,369,751 3,367,349 3,628,723 3,628,723 3,628,723 3,647,740 3,647,207 3,647,207 3,647,207	6,85 2,81 3,17 4,22 5,15 6,26 6,40 6,97 7,26 7,59 7,83 8,38	£ 2,350 1,014 8,033 1,408 2,221 6,890 7,739 1,825 1,337 8,531 9,892 7,209	\pounds 12,586,81 15,048,5- 13,604,11 11,883,55 11,857,33 11,604,44 12,250,44 11,674,85 11,098,00 10,970,33 11,146,74 11,266,87 11,487,98	43 99 28 28 44 29 18 52 52 52 52 77	£ 1,017,440 1,054,212 1,061,838 1,511,615 1,052,978 1,003,187 1,012,112 997,165 979,851 990,140 1,000,541 1,001,743	£ 38,157,346 36,668,049 35,649,373 35,426,337 35,966,399 36,788,181 37,524,168 37,524,168 37,527,561 37,743,586 37,743,586 37,743,586 38,173,137 38,867,517 38,867,517
Date.	Government Securities.	Other Securiti		Ň	lotes.		Gold and lver Coin.	Total Cr.
1855. July 7 14 21 28 Aug. 4 11 28 Sept. 1 3 25 3 25 3 25 3 22 3 22 3 29	£ 18,757,224 18,656,190 18,071,978 13,092,528 12,851,030 12,766,624 12,810,164 13,025,164 13,031,088 13,031,088 12,799,368 12,498,067 12,125,026	£ 13,328, 12,681, 12,706, 12,913, 13,592, 14,239, 14,943, 14,945, 15,661, 16,637, 17,385, 18,509, 19,915,	833 108 263 925 692 006 232 985 227 784 278	9,6 9,2 8,7 8,8 9,1 9,2 8,8 8,2 7,5 7,3 7,2	£ 12,335 153,020 007,945 81,145 992,300 56,845 129,550 174,555 163,380 25,900 96,800 186,815 95,570		£ 688,981 697,006 663,342 663,342 630,144 630,144 635,020 610,288 639,217 571,108 549,371 549,371 558,185 573,357 570,673	£ 38,187,346 34,688,049 35,649,373 35,426,337 36,926,339 36,788,181 37,593,008 37,593,008 37,593,183 37,593,008 37,593,183 37,743,586 38,173,187 38,867,517 38,807,032

CURRENCY .- Continued.

COUNTRY BANKS.

Average amount of Promissory Notes in Circulation in England and Wales in each Week ended on a Saturday, for the last two weeks of the First Quarter, and for the Second Quarter of 1855.—(Continued from page 200.)

[Compiled	from	the	" Bankers'	Magazine."]
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Date.	Private Banks.	Joint Stock Banks.	Total.
1855.	£	£	£
Mar. 24	3,802,534	3,119,073	6,921,607
,, 31	3,878,766	3,158,411	7,037,177
April 7	3,976,408	3,173,208	7,149,616
,, 14	3,993,005	3,154,998	7,148,003
,, 21	3,977,880	3,173,259	7,151,139
,, 2 8	3,944,434	3,167,155	7,111,589
May 5	3,932,228	3,143,969	7.076.197
,, 12	3,895,863	3,123,130	7,018,993
,, 19	3,894,434	3,139,829	7,034,263
,, 26	3,850,155	3,092,917	6,943,072
June 2	3,800,342	3,043,629	6,843,971
,, 9	3,777,970	3,008,907	6,786,877

Fixed Issues-Private Banks, £4,600,718; Joint Stock Banks, £3,325,857.

Average amount of Promissory Notes in Circulation in Scotland and Ireland during the Four Weeks ended the 14th April, the 12th May, and the 6th June, 1855.-(Continued from page 200.)

Scoti	LAND.	
£5 and above.	Under £5.	Total.
£ 1.316.601	£ 2.426.335	£ 3,742,940
1,413,195	2,488,000	3,901,201
1,632,707	2,744,987	4,377,695
IBRL.	AND.	
£5 and above.	Under £5.	Total.
£ 3,040,045	£ 3,422,412	£ 6,462,458
3,122,553	3,219,696	6,342,250
3,025,748	2,996,235	6,021,985
	£5 and above. £ 1,316,601 1,413,195 1,632,707 IBKL £5 and above. £ 3,040,045	£ £ 1,316,601 2,426,335 1,413,195 2,488,000 1,632,707 2,744,987 IBRLAND. £5 and above. Under £5. £ £ 3,040,045 3,422,412

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CURRENCY.—Continued.

COUNTRY BANKS.

Average amount of Promissory Notes in Circulation in England and Wales in each week, ended on a Saturday, for the last Three Weeks of the Second Quarter, and for the Third Quarter of 1855.—(Continued from last page.) [Compiled from the "Banker's Magazine."]

Date.	Private Banks.	Joint Stock Banks.	Total.
1855.	£	£	£
June 16	3,753,479	3,989,405	6,742,884
,, 23	3,760,446	3,001,227	6,761,673
,, 30	3,774,481	3,013,800	6,788,281
July 7	3,818,403	3,037,361	6,855,764
, 14	3,814,373	3,052,584	6,866,957
,, 21	3,766,997	3,003,247	6,770,244
,, 28	3,705,297	2,916,761	6,622,058
Aug. 4	3,649,541	2,876,260	6,525,801
,, 11	3,619,686	2,871,980	6,491,666
,, 18	3,595,509	2,889,853	6,485,362
,, 25	3,607,003	2,914,710	6,521,713
Sept. 1	3,600,178	2,927,357	6,527,535
,, 8	3,619,991	2,936,065	6,556,056
,, 15	3,658,112	3,003,928	6,662,040
,, 22	3,731,676	3,062,988	6,794,664
,, 29	3,840,639	3,085,199	6,925,838

Fixed Issues-Private Banks, £4,600,718; Joint Stock Banks, £3,325,857.

Average amount of Promissory Notes in Circulation in Scotland and Ireland during the Months ended the 7th of July, the 4th of August, and the 1st of September, 1855.—(Continued from last page.)

Date.	£5 and above,	Under £5.	Total.
1055	0	<i></i>	
1855. July 7	£ 1,522,027	£ 2,593,875	£ 4,115,907
Aug. 4	1,479,463	2,569,249	4,048,716
Sept. 1	1,405,943	2,557,885	3,963,833
	Ipel/	AND.	
Date,	£5 and above.	Under £5.	Total.
1855.	£	£	£
Jaly 7	2,927,531	2,825,069	5,752,602
Aug. 4	2,934,494	2,729,424	5,663,922
Sept. 1	2,839,760	2,754,800	5,594,562